

# **Public Information Meeting**

***State Project No. 32-148  
Replacement of Bridge No. 02866  
Route 275 over Willimantic River***

***Towns of Coventry and Mansfield***



## **CT Department of Transportation Personnel**

**Project Manager**  
**Louis Bacho, P.E.**

**Project Engineer/Contact**  
**Lesgie Ruiz**

**Design Engineer: Close, Jensen and Miller, P.C.**

**Design Engineer/Contact**  
**Michael Woods**





## **Location Map**

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## **"Bird's Eye" View**

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**Route 275**  
**Looking East**

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**Route 275**  
**Looking West**

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# **Existing Bridge Description**

- **Built in 1900 and reconstructed in 1973**
- **Two-span concrete box beam superstructure on stone masonry abutments and pier**
  - **Each span = 61 feet**
  - **Total bridge length = 122 feet**
- **Located on Route 275**
  - **Route 275 (2013) Average Daily Traffic (ADT) : 3,100**
- **Carries one lane of alternating one-way traffic**
  - **Roadway curb to curb width: 14 feet**



# **Existing Bridge**

## **Upstream Elevation**



## **Downstream Elevation**



# **Reasons for Project**



## **Existing Conditions**

- **Poor condition of downstream fascia box beam**
- **Substandard roadway width and bridge rail system**

# **Emergency Declaration**

- **Emergency Declaration (ED) is a letter signed by the CTDOT Commissioner stating that due to condition of bridge, construction must begin within 6 months**





# **Proposed Construction Project**

- **Replace the existing bridge with two-span precast concrete box beam superstructure supported by concrete abutments and existing masonry pier**
- **New abutments will be constructed behind existing masonry abutments to help maintain aesthetics of the area**
- **Open bridge rail system will be utilized to maintain aesthetics of the area**
- **Widen roadway to accommodate 2 – 11' travel lanes and 2 – 5' shoulders**

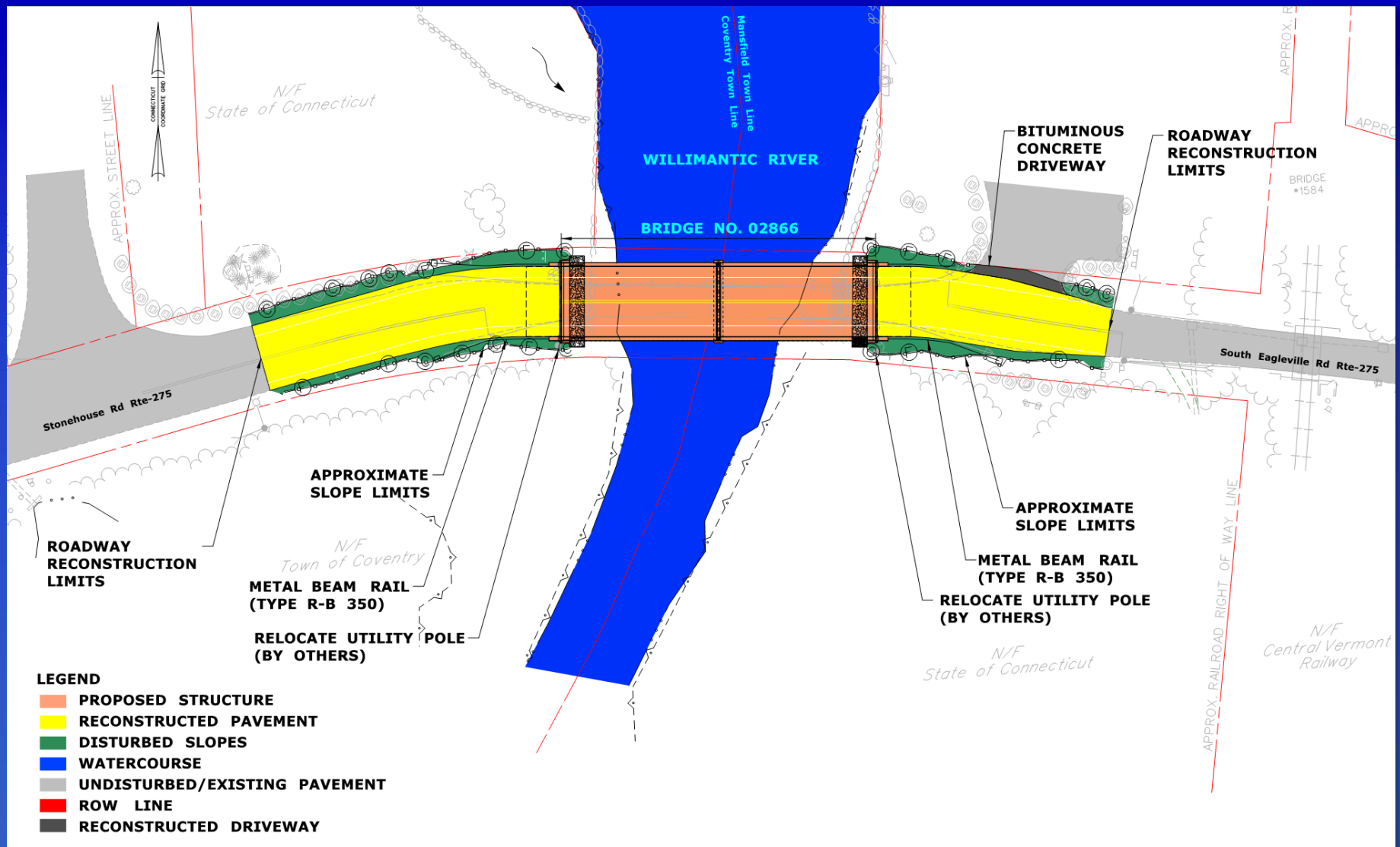


# **Bridge Roadway Width**

- Reason for widening roadway across bridge:  
State statute CGS § 13a-86, requires any bridge constructed or reconstructed on any state-maintained highway with two or more lanes to have a clear width of roadway of no less than 28 feet, exclusive of sidewalks, unless the transportation commissioner determines a lesser width is warranted





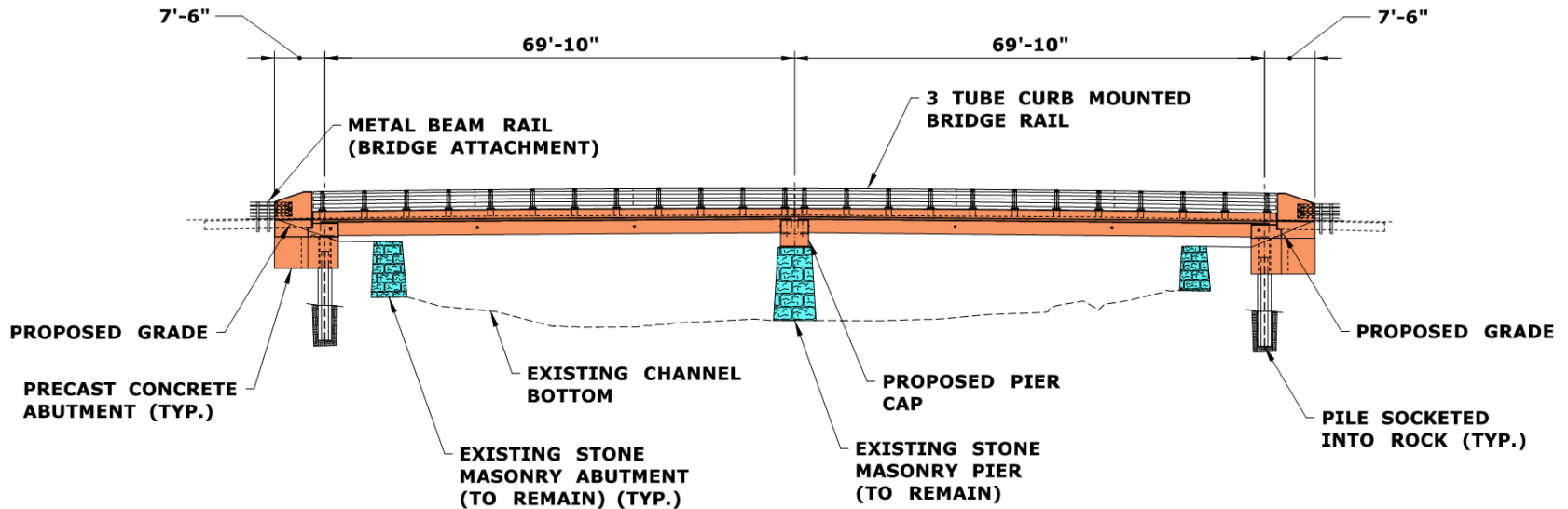


# Proposed Roadway

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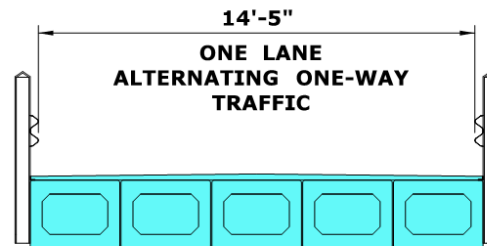
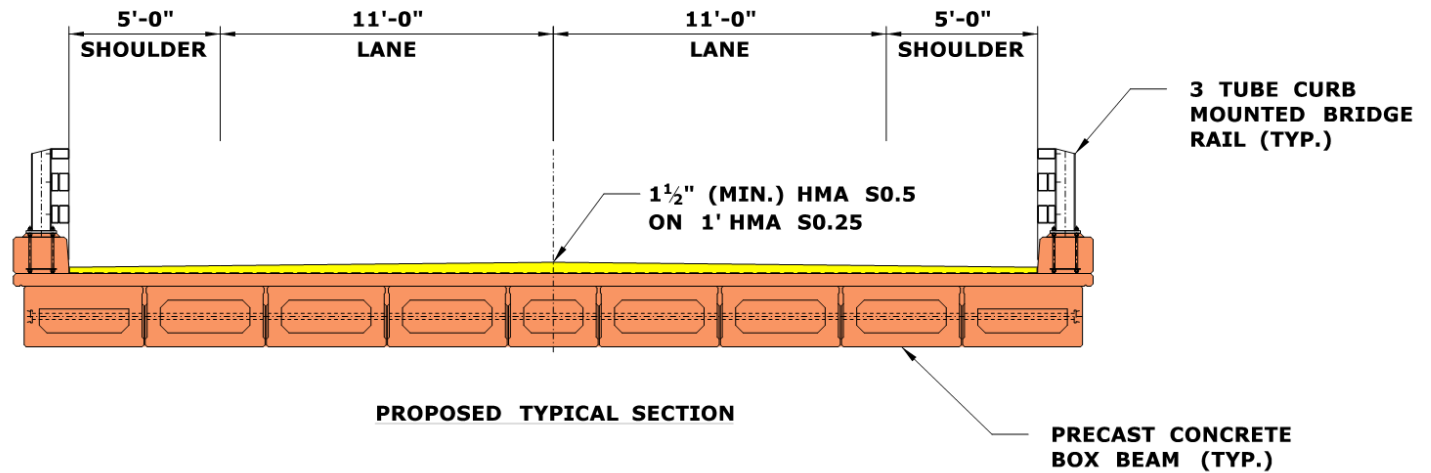
# **Proposed Elevation**



## LEGEND

- PROPOSED STRUCTURE
- EXISTING STRUCTURE





- LEGEND**
- PROPOSED STRUCTURE
  - RECONSTRUCTED PAVEMENT
  - EXISTING STRUCTURE

# **Cross Sections**

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# **Utilities**

**Overhead utilities are present at the bridge and will be shifted south to accommodate new structure**



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# **Environmental Permitting**

The following permits are anticipated:

- **CT DEEP Inland Wetland Permit**
- **U.S. Army Corps of Engineers Programmatic General Permit**
- **Flood Management Certification with Exemption**



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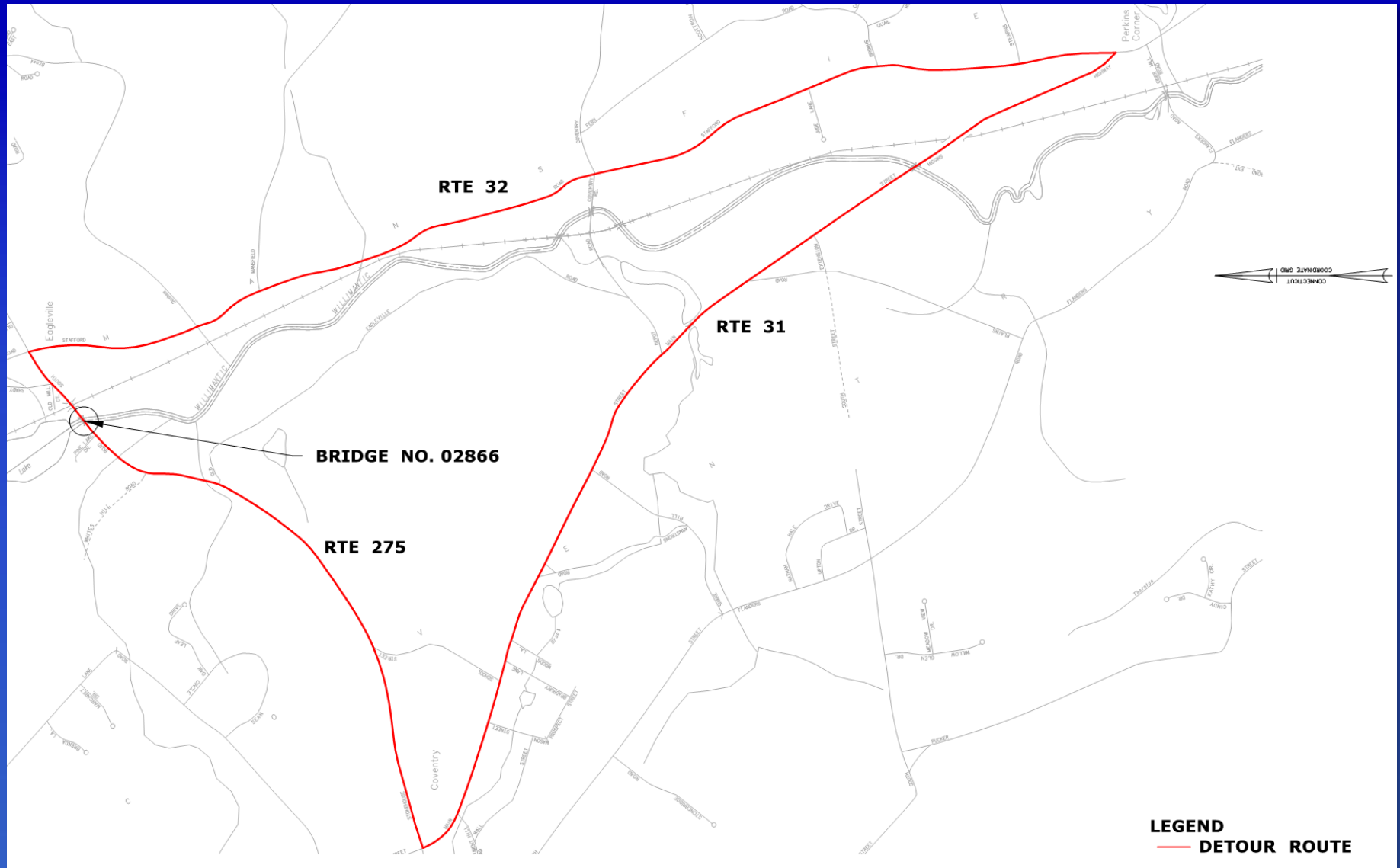


# **Construction Schedule**

## **Bridge to be closed during construction:**

- **2 month roadway closure of Route 275 at project site with detour via Route 32 and Route 31**
- **Approximate State Route Detour Length = 7 miles**
- **Parks to remain open during construction**





# **Proposed Detour Route**

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# **Project Schedule and Cost**

**Construction is anticipated to begin in the summer of 2015 and be completed by the fall of 2015.**

**The estimated construction duration is approximately 5 months.**

**Construction Cost for this project is currently estimated at \$ 2,900,000 (100% State Funds)**





# **Contact Information**

- **CTDOT**

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- **Close, Jensen and Miller, P.C.**

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***THANK YOU...***

***FOR YOUR TIME AND  
ATTENTION***

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# Questions?

